

**BfR**

Risiken erkennen – Gesundheit schützen

MS/MS Parameters of Pesticides

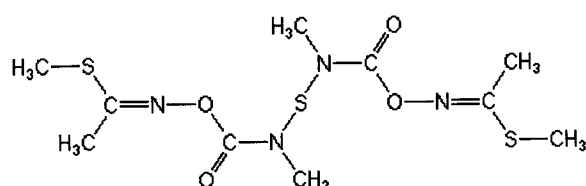
Analyte: Thiodicarb

CAS No.: 59669-26-0

Formula: C₁₀H₁₈N₄O₄S₃

Molecular mass (lowest isotopes): 354,05 amu

Structure:



Ionisation: ESI +

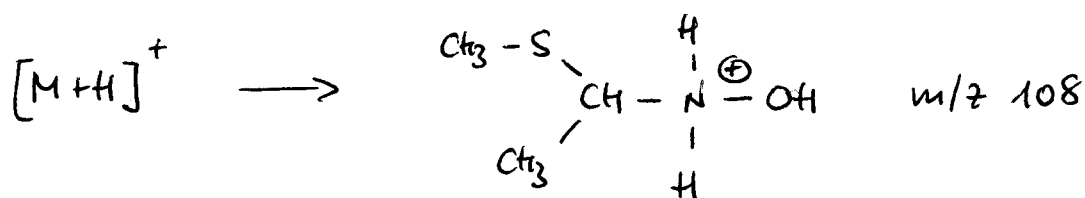
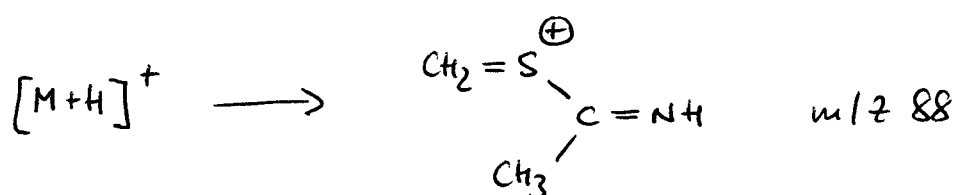
Quasimolecular ion: 355,0 amu = [M+H]⁺

Analyte sensitive parameter set (API 2000)

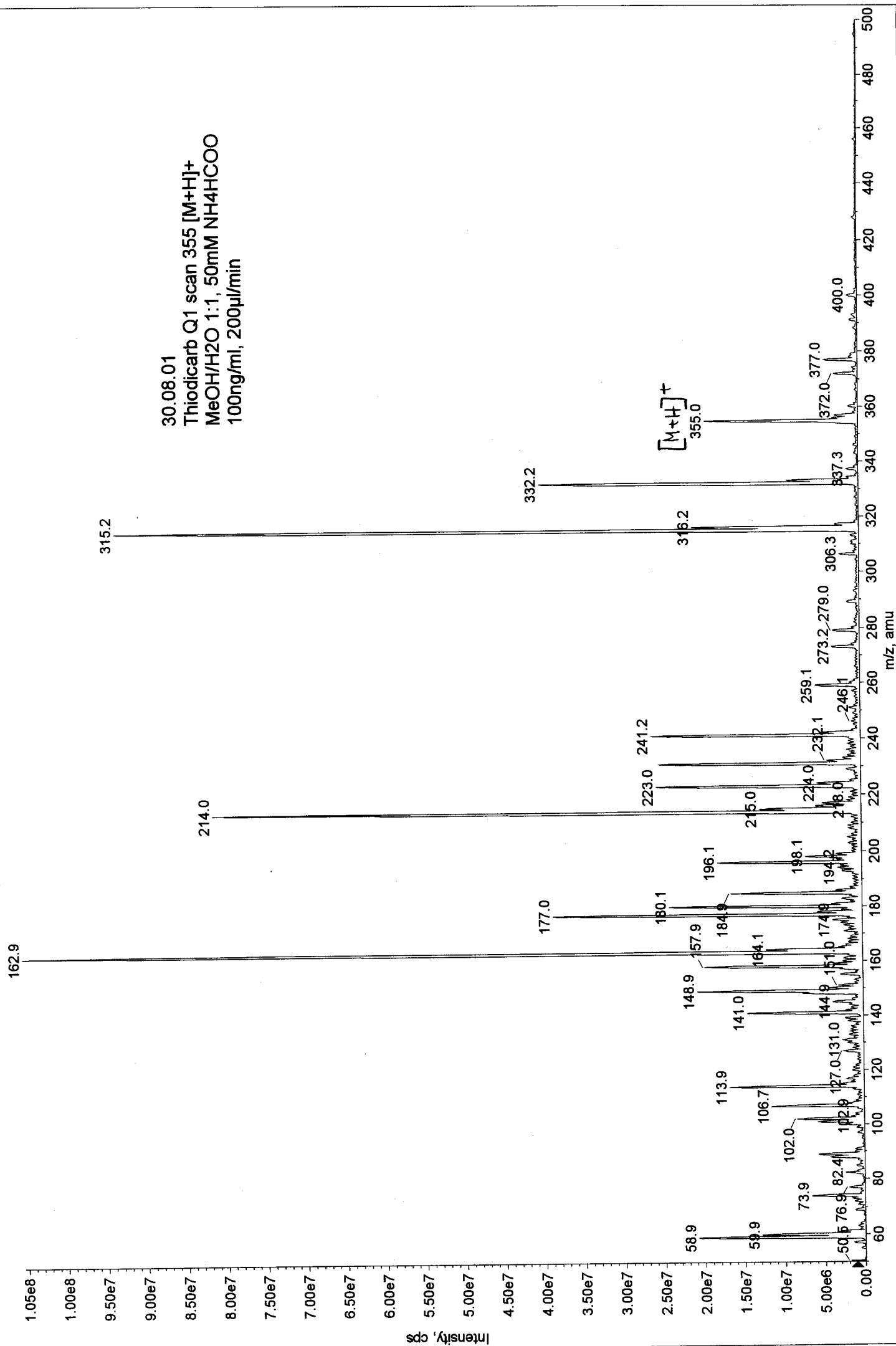
Transition	355,0 → 88,0	355,0 → 107,8
Declustering potential (DP)*)	26 V	26 V
Focusing potential (FP)	360 V	360 V
Entrance potential (EP)	10,0 V	9,0 V
Collision cell entrance potential (CEP)	24 V	24 V
Collision energy (CE)	21 V	21 V
Collision cell exit potential (CXP)	14 V	6 V

*) For API 3000 and 4000 enhance DP by 20V

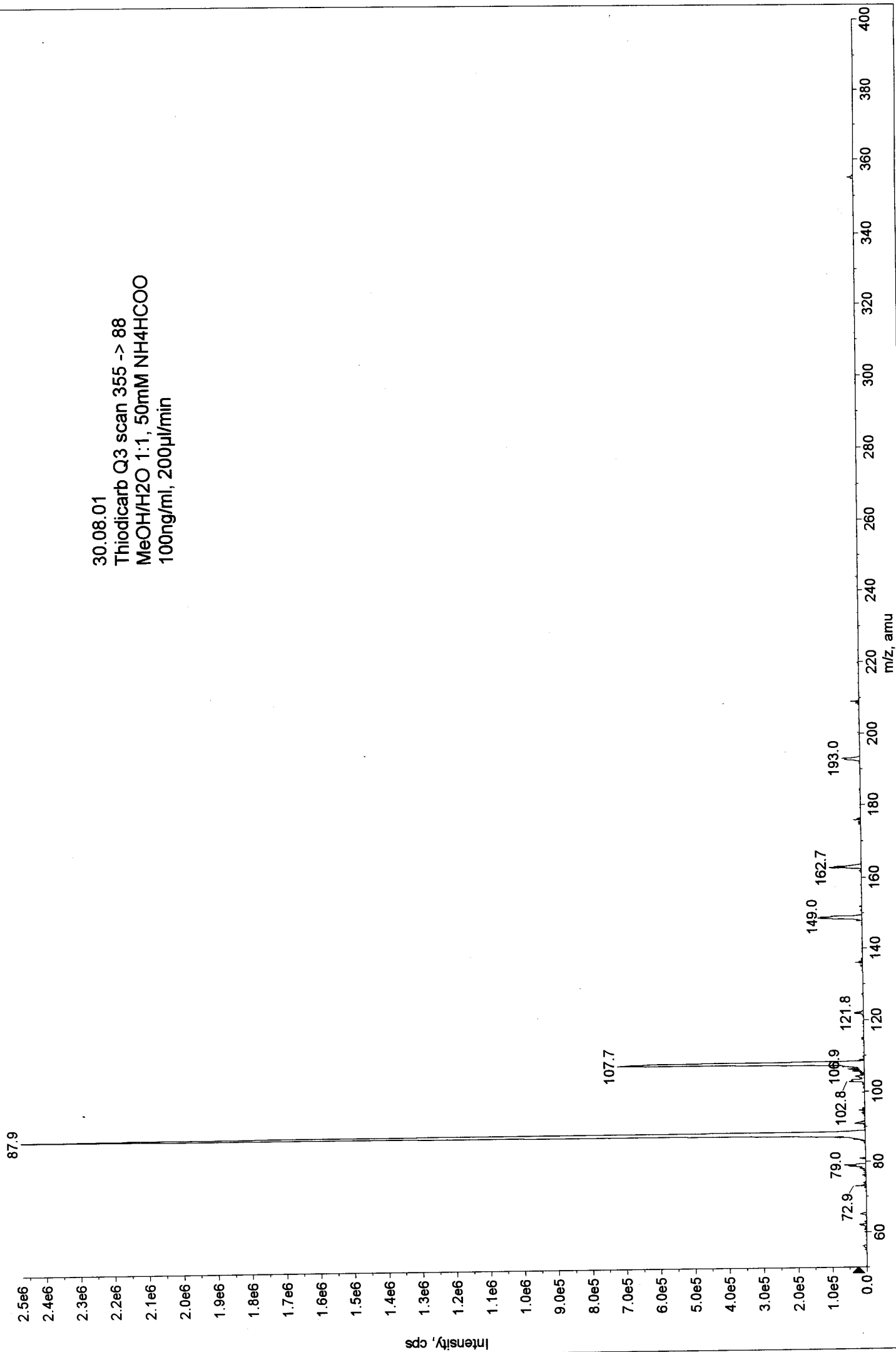
Fragmentation



30.08.01
Thiodicarb Q1 scan 355 [M+H]⁺
MeOH/H₂O 1:1, 50mM NH₄HCOO
100ng/ml, 200µl/min



30.08.01
Thiodicarb Q3 scan 355 -> 88
MeOH/H2O 1:1, 50mM NH4HCOO
100ng/ml, 200µl/min



30.08.01
Thiodicarb108 Q3 scan 355 ->108
MeOH/H2O 1:1, 50mM NH4HCOO
100ng/ml, 200µl/min

